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Soil  
Conservation  
Service

Portland,  
Oregon



in cooperation with

Oregon  
Department of  
Water Resources

# Water Supply Outlook for Oregon

## as of JUNE 1, 1981





## TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

COVER PHOTO: SNOW SURVEYORS MAKING SPECIAL MEASUREMENTS OF THE SNOWPACK  
NEAR MT. ST. HELENS VOLCANO, WASHINGTON, APRIL 1980.

### PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, West Technical Service Center, Room 510, 511 N.W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	Room 129, 2221 East Northern Lights Blvd., Anchorage, Alaska 99504
Arizona	Room 3008, Federal Building, 230 N. First Ave., Phoenix, Arizona 85025
Colorado (N. Mex.)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th. St., Boise, Idaho 83702
Montana	P. O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno, Nevada 89505
Oregon	1220 S. W. Third Ave., Portland, Oregon 97204
Utah	4420 Federal Bldg., 125 South State St., Salt Lake City, Utah 84138
Washington	360 U. S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82602

### PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Snow Surveys Branch, California Department of Water Resources, P.O. Box 388, Sacramento, California 95802 --- for British Columbia by the Ministry of the Environment, Water Investigations Branch, Parliament Buildings, Victoria, British Columbia V8V 1X5 --- for Yukon Territory by the Department of Indian and Northern Affairs, Northern Operations Branch, 200 Range Road, Whitehorse, Yukon Territory Y1A 3V1 --- and for Alberta, Saskatchewan, and N.W.T. by the Water Survey of Canada, Inland Waters Branch, 110-12 Avenue S.W., Calgary, Alberta T3C 1A6.



☆ GPO 796-768

# **WATER SUPPLY OUTLOOK FOR OREGON**

and  
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

*Issued*

JUNE 1, 1981

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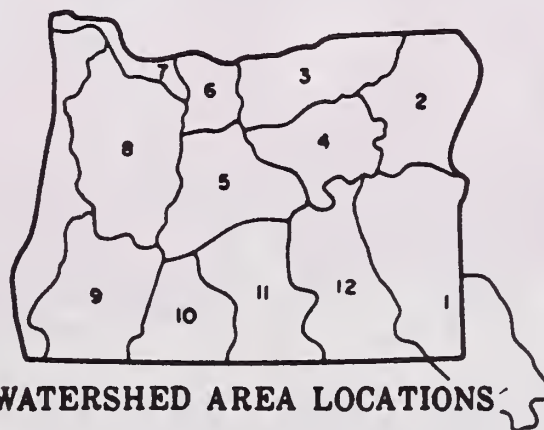
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# WATER SUPPLY OUTLOOK FOR OREGON

JUNE 1, 1981

\*\*\*\*\*  
\*  
\* The water supply outlook has improved considerably in the north \*  
\* half of the state east of the Cascade Range. Streamflow forecasts \*  
\* in this area have been raised 5 to 25% over last month because of \*  
\* the much above normal precipitation received during May. Water \*  
\* supplies are expected to be much below average in the rest of the \*  
\* state for those users dependent on direct diversion. Most users \*  
\* with access to stored water will have average supplies. Crescent \*  
\* Lake, Clear Lake (Wasco), Thompson Valley, Fish Lake and Fourmile \*  
\* Lake are storing much below average amounts for June 1 and shortages \*  
\* may occur this year. \*  
\*\*\*\*\*

## SNOW COVER

Of the 29 snow courses measured as of June 1, only one recorded any snow. Melt occurred rapidly at the higher elevations during May. There was no snow at the median and low elevations.

## PRECIPITATION

May brought above to much above average amounts of rain to all areas of the state. It was 115% to 130% west of the Cascades and from 130% to as high as 3 times normal at some stations east of the Cascade Range.

## RESERVOIR STORAGE

Reservoir storage is excellent. Deliveries for irrigation are being made now and many reservoirs are still full or nearly full. Twenty-seven major irrigation reservoirs are currently storing 2,441,000 acre feet of water. This is 90% of average for June 1 and 76% of capacity. Crescent Lake, Clear Lake (Wasco), Thompson Valley, Fish Lake and Fourmile Lake are not storing adequate amounts to supply users this summer.

## STREAMFLOW

Streams in Hood River County, in the John Day, Umatilla and Grande Ronde basins responded very well to the above normal precipitation. Streamflow for May was normal to above normal in these areas. Streams in southern Oregon did not respond to the rainfall and recorded volumes varied from 20 to 60% of average for May. Streamflow for the rest of the summer is expected to be mostly below to much below average throughout the whole state.

-CONTINUED ON NEXT PAGE-

## STREAMFLOW (CONT.)

Forecasts of updated May-July volumes for representative streams as a percent of average are as follows:

<u>STREAM</u>	<u>FORECAST</u> <u>% OF 1963-77 AVG.</u>
Owyhee net Inflow	33
Malheur nr. Drewsey	50
Deschutes @ Benham Falls	64
Grande Ronde @ LaGrande	78
Willamette, Mid. Fk. nr. Oakridge	68
Upper Klamath Lake net Inflow	48
Rogue @ Raygold	40
Silvies nr. Burns	50

Because of the heavy May precipitation many forecasts in the northern half of the state have been raised 5 to 25% from last month.

Streamflow forecasts issued by the Soil Conservation Service in coordination with the National Weather Service always assume normal weather conditions from now to the end of the forecast period. If precipitation is more or less than normal, streamflow will vary accordingly.

The forecasts in this bulletin are a result of coordinated activity between the Soil Conservation Service and the National Weather Service as an effort to provide the best possible service to water users.

This report contains data furnished by the Oregon Department of Water Resources, U.S. Geological Survey, NOAA National Weather Service and other cooperators.



# STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average <sup>c</sup>
OWYHEE, MALHEUR WATERSHEDS					
Bully Creek at Warm Springs	5.1	40	March-May		12.6 <sup>b</sup>
Malheur near Drewsey	18.0	50	May-July		36
	19.2	51	May-Sept.		37
Malheur, North Fork at Beulah	20	51	May-July		39
	22	51	May-Sept.		44
Owyhee Reservoir net Inflow	65	33	May-July		197
	78	35	May-Sept.		224
Owyhee at Rome	56	28	May-July		202 <sup>b</sup>
Succor Creek near Jordan Valley	1.7	33	May-July		5.1 <sup>b</sup>
BURNT, POWDER, PINE, GRANDE RONDE, IMNAHA WATERSHEDS					
Anthony Creek blw. North Fork nr. North Powder	8.9	65	May-July		13.7
Bear near Wallowa	41	70	May-Sept.		59
Big Creek blw. Burn Creek nr. Medical Spring	4.2	65	May-July		6.5
Burnt near Hereford	12.0	71	May-July		16.8
	12.8	70	May-Sept.		18.3
Catherine near Union	38	70	May-Sept.		54
Deer Creek abv. Phillips Res. nr. Sumpter	6.1	54	May-July		11.4 <sup>b</sup>
Eagle Creek abv. Skull Creek	127	85	May-July		149
	140	85	May-Sept.		165
Grande Ronde at La Grande	75	78	May-July		96
	78	78	May-Sept.		100
Hurricane near Joseph	33	75	May-Sept.		44
Imnaha at Imnaha	205	80	May-Sept.		256
Lostine near Lostine	91	78	May-Sept.		117
Pine Creek nr. Oxbow	107	68	May-July		157 <sup>b</sup>
Powder near Sumpter	34	78	May-July		43
	34	78	May-Sept.		44
Wallowa, East Fork near Joseph	6.8	80	May-July		8.5
	8.6	80	May-Sept.		10.8
Wallowa at Joseph	42	80	June-July		53
Wolf Creek Res. net Inflow	2.8	33	May-June		8.4
UMATILLA, WALLA WALLA, WILLOW, ROCK, LOWER JOHN DAY WATERSHEDS					
Butter Creek nr. Pine City	3.2	91	May-July		3.5
Couse Creek nr. Milton Freewater	1.1	58	May-July		1.9 <sup>b</sup>
McKay near Pilot Rock	12.0	164	May-Sept.		7.3
Pine Creek near Weston	0.5	56	May-July		0.9 <sup>b</sup>
Rhea Creek nr. Heppner	1.5	80	May-July		1.9
Rock Creek abv. Cayuse Canyon nr. Condon	2.1	85	May-July		2.5 <sup>b</sup>
Umatilla near Gibbon	34	80	May-July		43
	39	80	May-Sept.		49
Umatilla at Pendleton	59	80	May-July		74
Walla Walla, South Fork near Milton	41	76	May-Sept.		54
Willow Creek at Heppner	2.3	86	May-July		2.7
UPPER JOHN DAY WATERSHEDS					
Camas Creek near Ukiah	12.8	80	May-July		16
John Day, Middle Fork at Ritter	60	84	May-July		72
	64	84	May-Sept.		76
John Day, North Fork at Monument	327	93	May-July		352
	341	93	May-Sept.		367
Mountain Creek nr. Mitchell	1.1	60	May-July		1.9 <sup>b</sup>
Strawberry near Prairie City	5.4	80	May-July		6.8
	5.9	80	May-Sept.		7.4

(a) Estimated. (b) 1963-77 adjusted average. (c) 1963-77, 15 year average. (d) Corrected to natural flow. (e) Not scheduled.



# STREAMFLOW FORECASTS

STREAMFLOW FORECASTS	THIS YEAR			PAST RECORD	
BASIN, STREAM and/or FORECAST POINT	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average <sup>C</sup>
UPPER DESCHUTES, CROOKED WATERSHEDS					
Beaver Creek near Paulina	3.7	75	May-July		4.9
	3.8	75	May-Sept.		5.0
Crane Prairie Reservoir total Inflow	42	66	May-July		64
	70	66	May-Sept.		106
Crescent at Crescent Lake	3.9	25	May-July		15.5
	5.0	25	May-Sept.		19.8
Crooked River nr. Prineville	26	74	May-July		35
Crooked R., No.Fk. blw. Lookout Cr.nr. Paulina	2.6	60	May-July		4.3 <sup>b</sup>
Deschutes below Bend	100	--	Aug.-Sept.		--
Deschutes at Benham Falls	186	64	May-July		291
	320	66	May-Sept.		483
Deschutes below Snow Creek	35	62	May-Sept.		57
Deschutes, Little near La Pine	22	40	May-July		56
	27	40	May-Sept.		67
Ochoco Reservoir net Inflow	6.0	71	May-Sept.		8.4
Squaw near Sisters	32	70	May-Sept.		45
Tumalo near Bend	27	65	May-Sept.		41
HOOD, MILE CREEKS, LOWER DESCHUTES WATERSHEDS					
Hood River at Tucker Bridge near Hood River	131	78	May-July		169
	168	78	May-Sept.		216
Hood River, West Fork near Dee	61	70	May-July		87
	76	70	May-Sept.		109
White below Tygh Valley	47	58	May-July		81
	56	58	May-Sept.		96
LOWER COLUMBIA WATERSHEDS					
Columbia at The Dalles	61,680	81	May-July		76,010
	74,480	82	May-Sept.		90,980
Sandy River near Marmot	161	70	May-July		230
	200	70	May-Sept.		285
WILLAMETTE WATERSHEDS					
Clackamas at Estacada	282	60	May-July		470
	350	60	May-Sept.		584
Clackamas above Three Lynx	229	63	May-July		364
	290	63	May-Sept.		460
McKenzie at McKenzie Bridge	216	64	May-July		338
	319	66	May-Sept.		484
McKenzie near Vida	446	61	May-July		735
	650	67	May-Sept.		970
McKenzie, So. Fork near Rainbow	95	66	May-July		144
	113	66	May-Sept.		171
Mohawk River near Springfield	22	70	May-July		32
Oak Grove Fork above Power Intake	68	68	May-July		100
	94	68	May-Sept.		138
Row near Dorena	32	61	May-July		52
	35	61	May-Sept.		57
Santiam, North at Mehama	329	65	May-July		506
	399	65	May-Sept.		614
Santiam, South at Waterloo	210	65	May-July		323
	238	65	May-Sept.		366
Scoggins Creek nr. Gaston	3.6	70	May-July		5.1
Thomas Creek near Scio	27	70	May-July		39
Willamette, Coast Fork nr. London	9.0	65	May-July		13.8
Willamette, Mid. Fk. blw. N. Fk. nr. Oakridge	320	68	May-July		471
	387	68	May-Sept.		569
Willamette, No. Fk. of Mid. Fk. near Oakridge	88	70	May-July		125
	102	70	May-Sept.		146
Willamette at Salem	1,762	69	May-July		2,554
	2,096	69	May-Sept.		3,038

(a) Estimated. (b) 1963-77 adjusted average. (c) 1963-77, 15 year average. (d) Corrected to natural flow. (e) Not scheduled.

# STREAMFLOW FORECASTS

STREAMFLOW FORECASTS	THIS YEAR			PAST RECORD	
BASIN, STREAM and/or FORECAST POINT	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average C
ROGUE, UMPQUA WATERSHEDS					
Applegate near Copper	28	35	May-July		81
	31	35	May-Sept.		88
Clearwater above Trap Creek	35	60	May-Sept.		59
Cow Creek nr. Azalea	3.3	40	May-July		8.3
Fourmile Lake net Inflow	1.3	45	May-July		2.9
Grave Creek at Pease Bridge nr. Placer	1.3	43	May-July		3.1
Hyatt Reservoir net Inflow	1.0	37	May-July		2.7
Illinois River near Kerby	37	45	May-July		83
	40	45	May-Sept.		90
Little Butte, N. Fk. at Fish Lake nr. Lake Cr.	5.7	48	May-Sept.		11.9
Little Butte, S. Fk. near Lake Creek	6.1	33	May-July		18.5
	7.8	37	May-Sept.		21
Red Blanket Creek nr. Prospect	13.5	50	May-July		27
Rogue above Prospect	74	39	May-July		190
	96	39	May-Sept.		247
Rogue, South Fork near Prospect	19.2	40	May-July		48
	24	40	May-Sept.		59
Rogue at Raygold near Central Point	205	40	May-July		512
	270	40	May-Sept.		675
Rogue at Grants Pass	259	40	May-Sept.		647
Sucker Cr. blw. Little Grayback nr. Holland	12.2	33	May-July		37
Umpqua, No. blw. Lemolo Lake, nr. Toketee Falls	77	54	May-Sept.		144
Umpqua, No. at Winchester	279	57	May-July		490
Umpqua, So. near Brockway	79	43	May-July		184
Umpqua, So. at Tiller	43	41	May-July		104
So.Fk. Big Butte nr. Butte Falls	16.5	50	May-Sept.		33
KLAMATH WATERSHEDS					
Clear Lake Reservoir Inflow	8.0	46	May-Sept.		17.5
Gerber Reservoir Inflow	2.3	43	May-Sept.		5.4
Sprague near Chiloquin	67	40	May-Sept.		167
Upper Klamath Lake net Inflow	164	48	May-Sept.		342
Williamson below Sprague River	135	47	May-Sept.		285
LAKE COUNTY, GOOSE LAKE WATERSHEDS					
Chewaucan near Paisley	26	45	May-July		58
	28	45	May-Sept.		62
Cottonwood Creek nr. Lakeview	2.9	45	May-July		6.4
Deep above Adel	20	43	May-July		46
	22	45	May-Sept.		48
Drews Reservoir net Inflow	3.7	35	May-July		10.6
Honey Creek near Plush	4.3	35	May-July		12.4
	4.4	35	May-Sept.		12.6
Silver Creek near Silver Lake	1.0	12	May-July		8.1
Twentymile near Adel	4.0	35	May-Sept.		11.4
Bridge Cr. @ Spahr Ranch nr. Silver Lake	0.9	31	May-July		3.0
HARNEY BASIN WATERSHEDS					
Donner und Blitzen near Frenchglen	34	83	May-July		41
	38	83	May-Sept.		46
Silver near Riley	3.0	50	May-July		5.9
Silvies River near Burns	19	50	May-July		38
	20	50	May-Sept.		40
Trout Creek near Denio	5.8	90	May-July		6.5
	6.3	90	May-Sept.		7.0

(a) Estimated. (b) 1963-77 adjusted average. (c) 1963-77, 15 year average. (d) Corrected to natural flow. (e) Not scheduled.



# RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average †
OWYHEE, MALHEUR WATERSHEDS				
Beulah Reservoir	60.0	59.4	56.6	48.4
Bully Creek	30.0	28.4	26.6	21.2
Owyhee	715.0	590.2	717.7	610.8
Warmsprings	191.0	176.3	183.4	144.4
BURNT, POWDER, PINE, GRANDE RONDE, IMNAHA WATERSHEDS				
Phillips Lake	73.5	76.5	74.2	63.9
Thief Valley	17.4	18.0	17.4	16.4 <sup>b</sup>
Unity	25.2	24.8	25.1	22.4
Wallowa Lake	37.5	38.9	38.2	33.3
Wolf Creek	10.4	11.1	11.1	--
UMATILLA, WALLA WALLA, WILLOW, ROCK, LOWER JOHN DAY WATERSHEDS				
Cold Springs	50.0	48.7	42.6	45.3
McKay	73.8	67.8	67.6	56.2
UPPER DESCHUTES, CROOKED WATERSHEDS				
Crane Prairie	55.3	22.2	25.1	45.8
Crescent Lake	86.9	30.4	32.2	69.1
Ochoco	47.5	45.2	45.4	36.5
Prineville	153.0	156.8	153.8	143.3
Wickiup	200.0	160.1	154.8	166.3
HOOD, MILE CREEKS, LOWER DESCHUTES WATERSHEDS				
Clear Lake (Wasco)	11.9	3.8	4.6	6.2

# RESERVOIR STORAGE (Thousand Ac. Ft.) END OF MONTH

RESERVOIR	Usable Capacity	Usable Storage		
		This Year	Last Year	Average †
WILLAMETTE WATERSHEDS				
Blue River	85.6*	79.1	80.7	79.6
Cottage Grove	30.0*	28.8	27.5	27.3
Cougar	155.2*	144.6	146.6	141.5b
Detroit	299.9*	284.2	280.7	277.1
Dorena	70.5*	65.2	64.1	64.5
Fall Creek	115.0*	109.0	108.7	108.4b
Fern Ridge	94.2*	93.9	80.7	86.0
Foster	30.0*	25.0	24.8	22.5b
Green Peter	270.0*	252.1	244.3	248.5b
Hills Creek	200.0*	195.2	194.7	181.7
Lookout Point	337.2*	286.1	282.2	291.1
Timothy Lake	61.7	56.3	53.0	60.8
Henry Hagg Lake	53.0	53.5	52.2	--
* Multiple purpose reservoir--space reserved primarily for flood runoff.				
ROGUE, UMPQUA WATERSHEDS				
Applegate	75.2	52.4	--	--
Emigrant Lake	39.0	34.8	37.3	37.1
Fish Lake	8.0	4.4	5.8	6.8
Fourmile Lake	16.1	7.8	10.9	12.7
Howard Prairie	60.0	43.7	60.8	57.4
Hyatt Prairie	16.1	12.6	16.2	15.0
Lost Creek	315.0	314.8	311.9	--
KLAMATH WATERSHEDS				
Clear Lake	440.2	170.5	219.4	286.5
Gerber	94.0	39.7	57.6	72.5
Upper Klamath Lake	584.0	477.1	494.0	519.2
LAKE COUNTY, GOOSE LAKE WATERSHEDS				
Cottonwood	8.7	5.6	8.3	6.9
Drews	63.0	41.8	59.0	56.6
Thompson Valley	19.5	3.9	10.9	--



JUNE 1, 1981

JUNE 1, 1981

SNOW		THIS YEAR			PAST RECORD		SNOW		THIS YEAR			PAST RECORD	
DRAINAGE BASIN and/or SNOW COURSE	Date of Survey	Snow Depth (In.)	Water Cont. (In.)	Water Content (Inches)		DRAINAGE BASIN and/or SNOW COURSE	Date of Survey	Snow Depth (In.)	Water Cont. (In.)	Water Content (Inches)			
				Last Yr.	Ave. C					Last Yr.	Ave. C		
Annie Spring	6/1	0	0.0	17.3	54.4 b								
Bald Peter	6/1	0	0.0	--	--								
Billie Creek Divide	5/28	0	0.0	0.0	0.8 b								
Billie Cr.Div.Plw.(T)	6/1	--	0.0	0.0	--								
Billie Cr.Div.Plw.(S)	5/28	0	0.0	0.0	--								
Billie Cr.Div.Plw.(M)	5/28	--	0.0	0.0	--								
Brooks Meadow	5/28	0	0.0	--	--								
Cascade Summit	5/28	0	0.0	0.0	9.4								
Cascade Summit Plw.(T)	6/2	--	0.0	--	--								
Cascade Summit Plw.(S)	5/28	0	0.0	0.0	--								
Cascade Summit Plw.(M)	5/28	--	0.0	0.0	--								
Clear Lake	5/28	0	0.0	0.0	0.5								
Clear Lake Plw.(T)	6/2	--	0.0	--	--								
Clear Lake Plw.(S)	5/28	0	0.0	0.0	--								
Clear Lake Plw.(M)	5/28	--	0.0	--	--								
Clear Lake Expt.	5/28	0	0.0	0.0	1.3 b								
Cold Springs Camp	5/28	0	0.0	5.0	12.3 b								
Cold Springs Camp Plw.(T)	6/3	--	0.0	--	--								
Cold Springs Camp Plw.(S)	5/28	0	0.0	0.0	--								
Cold Springs Camp Plw.(M)	N/R			0.0	--								
Diamond Ctr. Sum. Rev.	5/27	0	0.0	1.0	13.8 b								
Diamond Lake	5/27	0	0.0	0.0	6.4 b								
Diamond Lake Plw.(T)	5/31	--	0.0	--	--								
Diamond Lake Plw.(S)	5/27	0	0.0	0.0	--								
Diamond Lake Plw.(M)	5/27	--	0.0	0.0	--								
Fish Lake	5/28	0	0.0	--	--								
Fish Lake Plw.(T)	5/31	--	0.0	--	--								
Fish Lake Plw.(S)	5/28	0	0.0	--	--								
Fish Lake Plw.(M)	5/28	--	0.0	--	--								
Fourmile Lake	5/28	0	0.0	0.0	2.6 b								
Fourmile Lake Plw.(T)	6/1	--	0.0	0.0	--								
Fourmile Lake Plw.(S)	5/28	0	0.0	0.0	--								
Fourmile Lake Plw.(M)	N/R			0.0	--								
Hogg Pass	5/29	0	0.0	2.0	24.3 b								
Hogg Pass Plw.(T)	6/1	--	0.0	3.1	--								
Hogg Pass Plw.(S)	5/29	0	0.0	2.8	--								
Hogg Pass Plw.(M)	N/R			3.0	--								
Hungry Flat	5/31	0	0.0	0.0	--								
Jump Off Joe Plw.(T)	6/1	--	0.0	0.0	--								
Jump Off Joe Plw.(S)	5/29	0	0.0	0.0	--								
Jump Off Joe Plw.(M)	N/R			0.0	--								
Marion Forks (Rev.)	5/29	0	0.0	0.0	--								
Marion Forks Plw.(T)	6/1	--	0.0	--	--								
Marion Forks Plw.(S)	5/29	0	0.0	0.0	--								
Marion Forks Plw.(M)	5/29	--	0.0	0.0	--								
McCredie Springs	5/28	0	0.0	--	--								
Mt. Hood Test Site(T)	6/4	--	13.7	--	--								
Mt. Hood Test Site(S)	N/R			43.5	46.6 b								
Mt. Hood Test Site(M)	N/R			50.6	--								
Mud Ridge Plw.(T)	6/1	--	0.0	0.0	--								
Mud Ridge Plw.(S)	5/28	0	0.0	0.0	10.7 b								
Mud Ridge Plw.(M)	5/28	--											

## SNOW

[illegible]

(a) Estimated. (b) 1963-77 adjusted average. (c) 1963-77, 15 year average. (d) Corrected to natural flow. (e) Not scheduled.

# BASIC DATA SUPPLEMENT 2

JUNE 1, 1981

## PRECIPITATION (Inches)

DRAINAGE BASIN and PRECIPITATION GAGE LOCATION		CURRENT INFORMATION		PAST RECORD	
		ELEVATION	Date of Reading	Precipitation	Last Year
Billie Creek Divide (Jackson County)		5310	From 4/28 To 5/28	3.48"	
Cascade Summit (Lane County)		4880	From 4/28 To 5/28	5.40"	
Clear Lake (Wasco County)		3500	From 4/27 To 5/28	3.36"	
Cold Springs (Klamath County)		6100	From 4/30 To 5/28	2.88"	
Diamond Lake (Douglas County)		4600	From 4/28 To 5/27	4.80"	
Fish Lake (Jackson County)		4665	From 4/28 To 5/28	3.96"	
Fourmile Lake (Klamath County)		6000	From 4/28 To 5/28	3.24"	
Hogg Pass (Jefferson County)		4755	From 4/27 To 5/29	6.48"	
Jump Off Joe (Linn County)		3400	From 4/27 To 5/29	7.08"	
Marion Forks (Linn County)		2730	From 4/27 To 5/29	4.80"	
Mud Ridge (Clackamas County)		3800	From 4/28 To 5/28	4.08"	
Railroad Overpass (Lane County)		4750	From 4/28 To 5/28	6.00"	
Salt Creek Falls (Lane County)		4000	From 4/28 To 5/28	6.24"	
Santiam Junction (Lane County)		3750	From 4/27 To 5/29	5.52"	

(a) Estimated. (b) 1963-77 adjusted average. (c) 1963-77, 15 year average. (d) Corrected to natural flow. (e) Not scheduled.

ERRATA: 1981 SNOW MEASUREMENTS PUBLISHED IN ERROR

SNOW COURSE	REPORT	SNOW DEPTH (INCHES)	WATER CONTENT (INCHES)
Little Alps			
Previously Published	February	15	3.6
Correct Data	February	15	2.6
Denio Creek *			
Previously Published	February	14	2.8
Correct Data	February	11	2.2
Big Sheep *			
Previously Published	February	60	18.0
Correct Data	February	36	10.8
Standley *			
Previously Published	February	59	17.7
Correct Data	February	35	10.5
West Eagle Meadows *			
Previously Published	March	78	25.0
Correct Data	March	54	17.3
Butte Creek Summit			
Previously Published	March	N/R	N/R
Correct Data	March	TR	0.1
Annie Spring			
Previously Published	April	69	23.8
Correct Data	April	68	23.8
Park Headquarters			
Previously Published	April	97	33.4
Correct Data	April	96	34.3
Red Canyon (Ida.) *			
Previously Published	April	Late Report	
Correct Data	April	TR	0.1
Trout Creek *			
Previously Published	April	Late Report	
Correct Data	April	27	8.4
"V" Lake *			
Previously Published	April	Late Report	
Correct Data	April	TR	0.1



ERRATA: 1981 SNOW MEASUREMENTS PUBLISHED IN ERROR (CONT.)

SNOW COURSE	REPORT	SNOW DEPTH (INCHES)	WATER CONTENT (INCHES)
Fish Creek *			
Previously Published	April	Late Report	
Correct Data	April	67	21.5
Succor Creek *			
Previously Published	April	Late Report	
Correct Data	April	5	1.5
Quinn Ridge (Nev.) *			
Previously Published	April	Late Report	
Correct Data	April	0	0.0
Vaught Ranch (Ida.) *			
Previously Published	April	Late Report	
Correct Data	April	0	0.0
Hyde Pasture (Ida.) *			
Previously Published	April	Late Report	
Correct Data	April	0	0.0
Bull Basin (Ida.) *			
Previously Published	April	Late Report	
Correct Data	April	0	0.0
Battle Creek (Ida.) *			
Previously Published	April	Late Report	
Correct Data	April	0	0.0
Oregon Canyon *			
Previously Published	April	Late Report	
Correct Data	April	0	0.0
Louse Canyon *			
Previously Published	April	Late Report	
Correct Data	April	0	0.0
Lookout Butte *			
Previously Published	April	Late Report	
Correct Data	April	0	0.0
Flag Prairie *			
Previously Published	April	Late Report	
Correct Data	April	0	0.0
Denio Creek *			
Previously Published	April	Late Report	
Correct Data	April	0	0.0

ERRATA: 1981 SNOW MEASUREMENTS PUBLISHED IN ERROR (CONT.)

SNOW COURSE	REPORT	SNOW DEPTH (INCHES)	WATER CONTENT (INCHES)
Call Meadows *			
Previously Published	April	Late Report	
Correct Data	April	0	0.0
Bully Creek *			
Previously Published	April	Late Report	
Correct Data	April	0	0.0
Buckskin Lake *			
Previously Published	April	Late Report	
Correct Data	April	0	0.0
Buck Pasture *			
Previously Published	April	Late Report	
Correct Data	April	0	0.0
Boulder Creek *			
Previously Published	April	Late Report	
Correct Data	April	0	0.0
War Eagle (Ida.) *			
Previously Published	April	Late Report	
Correct Data	April	No Report	
Silver City (Ida.) *			
Previously Published	April	Late Report	
Correct Data	April	No Report	

UNSCHEDULED SNOW MEASUREMENTS TAKEN DURING WATER YEAR 1980-81:

Bull Run Reserve Lake +	April	11	3.0
North Fork Reservoir (S) +	April	8	1.4

+ Measurements taken by the City of Portland.





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